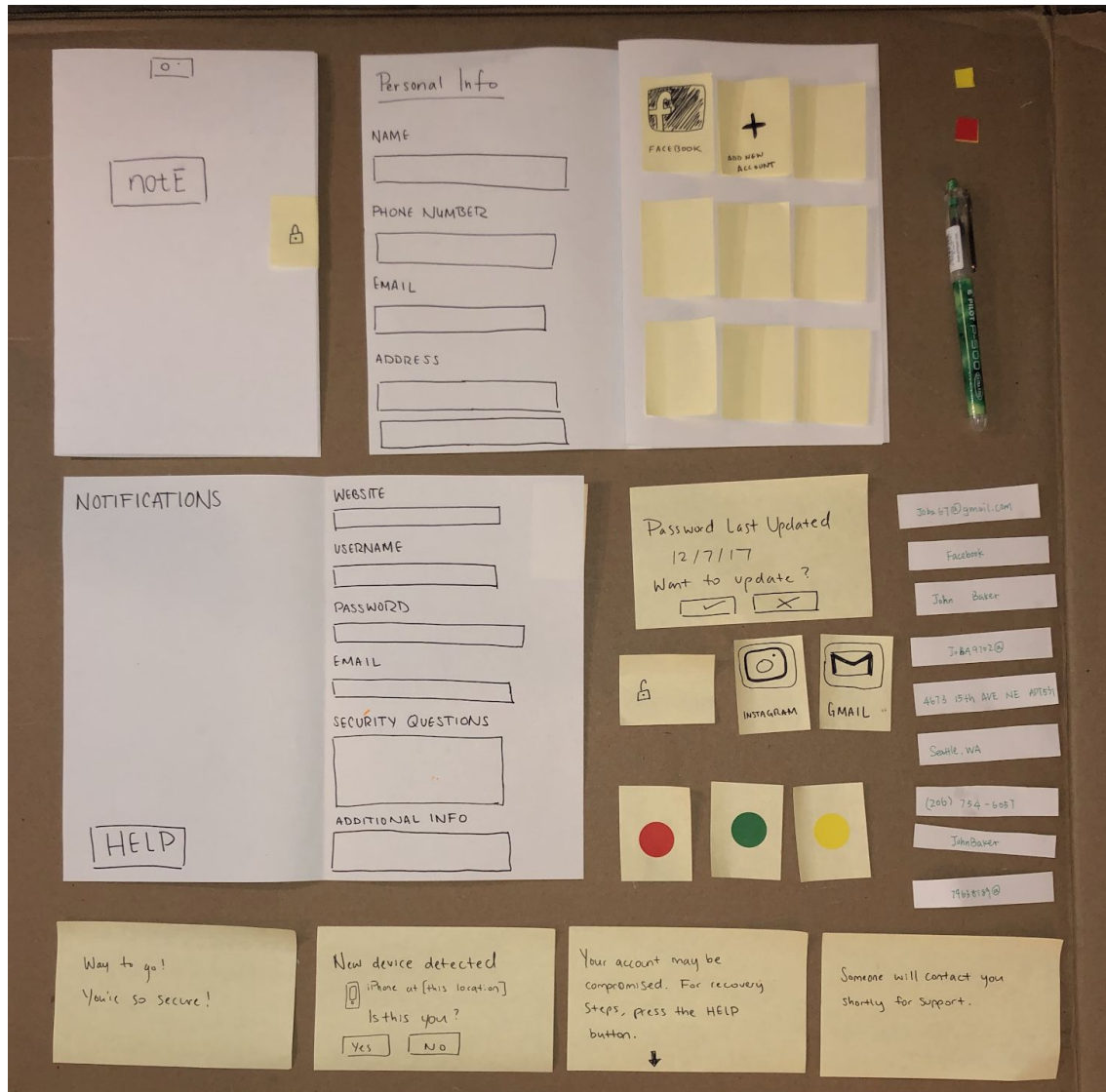


# notE-Paper Prototype

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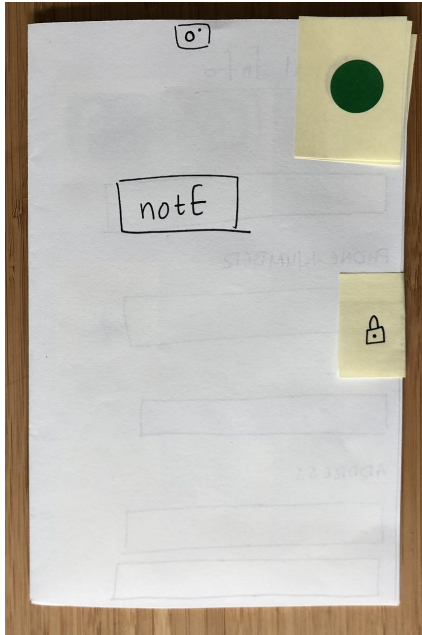
## Overview of notE Prototype



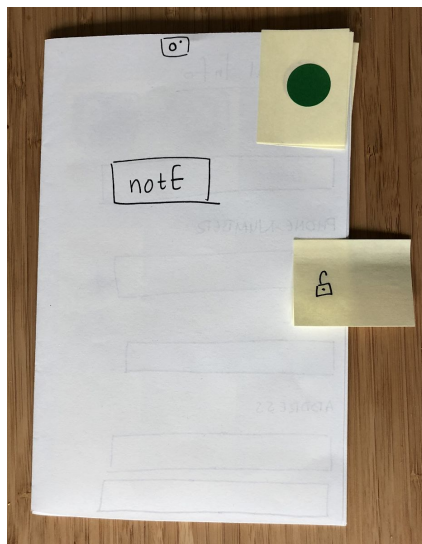
There are two components in notE. The first one is a smart notebook and the second one is a paired pen. The pen is a pressure pen which does not contain ink but can write on the paper screen.

## Task 1: Storing, generating, and updating account information for customers

### Unlock the notE

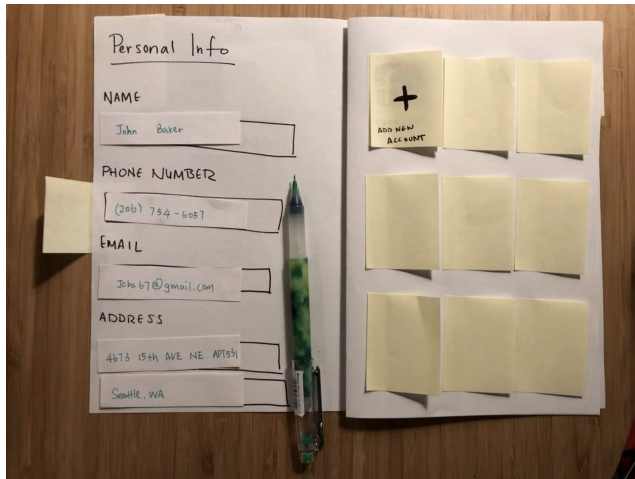


This is the front cover of the notE. There is a camera for facial recognition in the upper-middle of the front cover. The green light there is showing that all of the customer's accounts are secure now. The lock icon is to inform customers that their notE is locked.

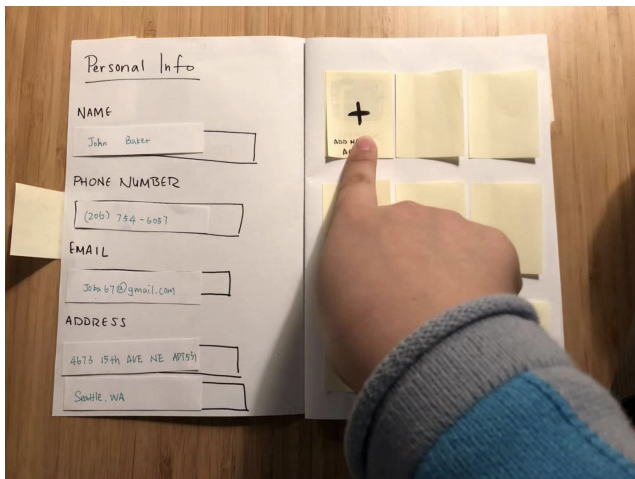


Now, notE is unlocked. The unlock icon is to inform customers that the notE is unlocked now.

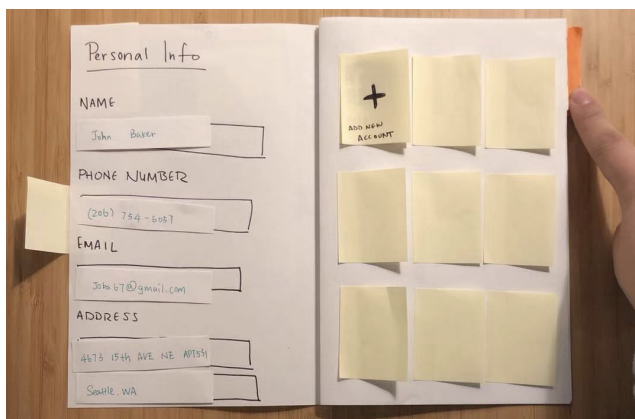
## Storing Account Information



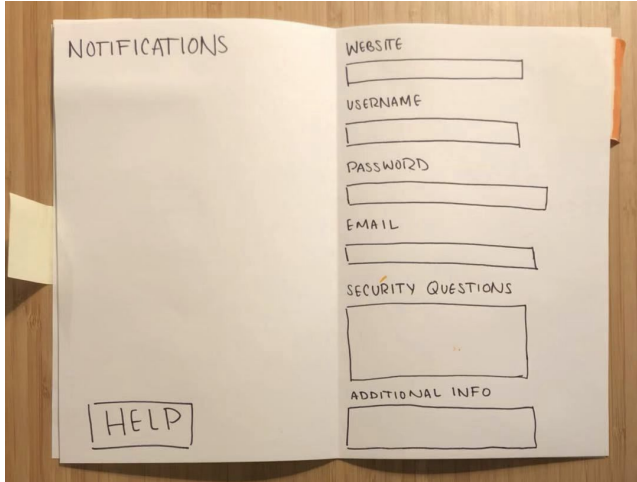
John needs to fill in his information on the left page.



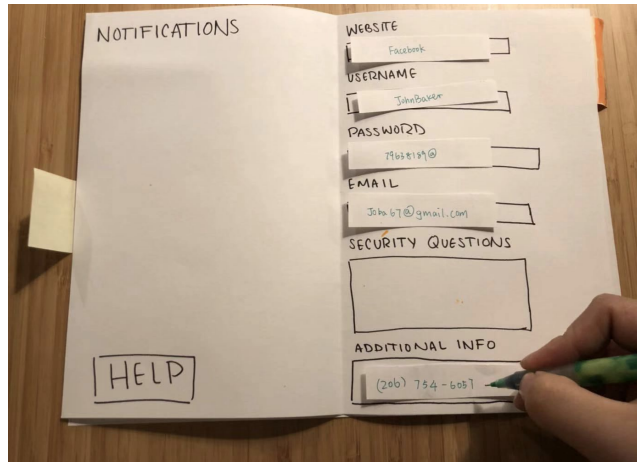
John presses the "+" button at the index page to create a new page for his new account information.



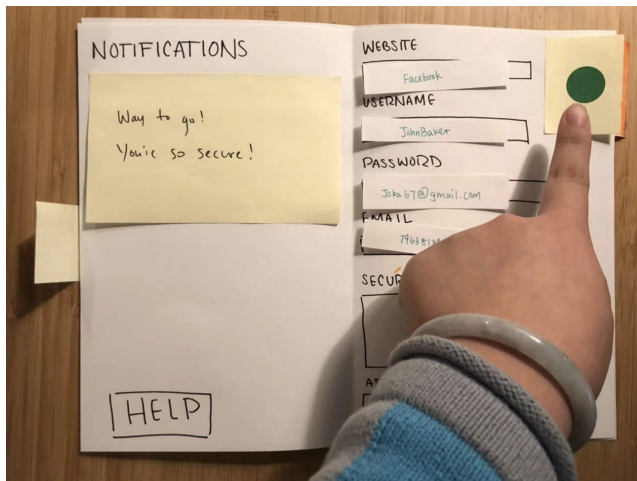
After pressing the "+" button, a tab comes out.



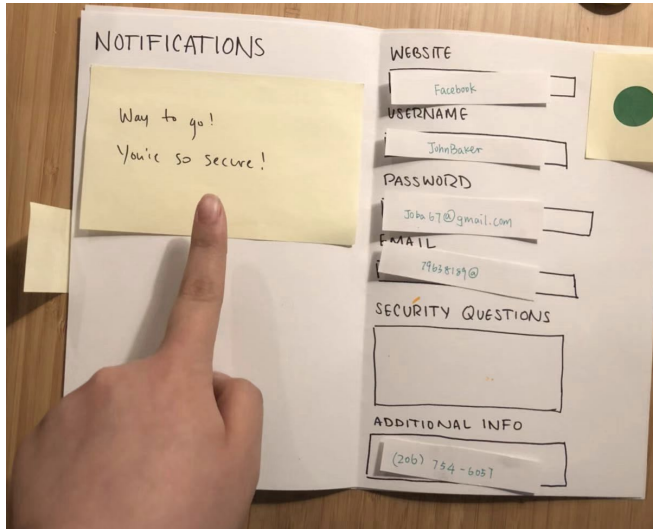
John uses that tab to flip to the page of the new account.



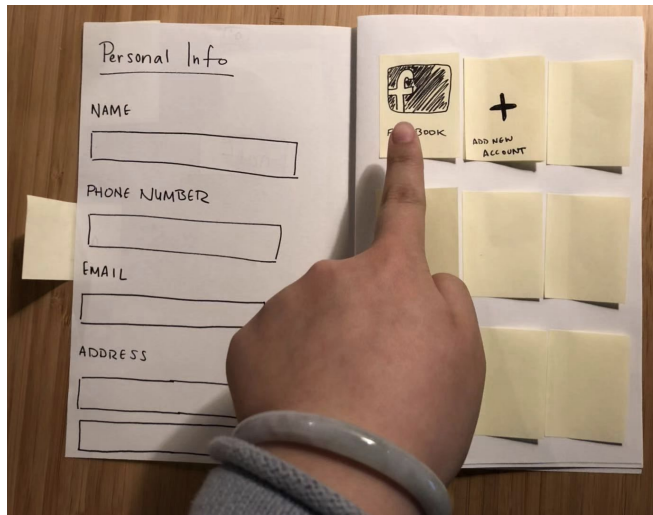
John fills in all the information with the paired pen.



Then, notE has connected to his Facebook account. The green light in the upper-right corner shows that his Facebook account is secure.



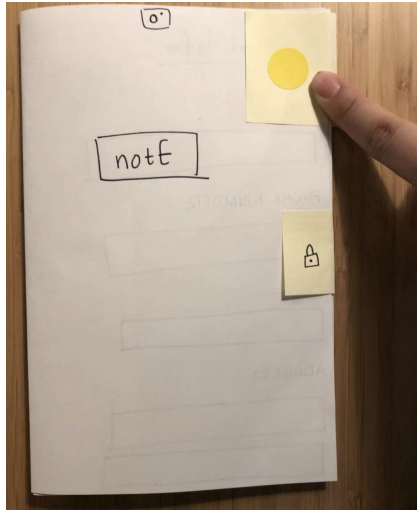
The screen at the notification center of Facebook account shows an explanation/annotation to tell him that his Facebook account is secure in words.



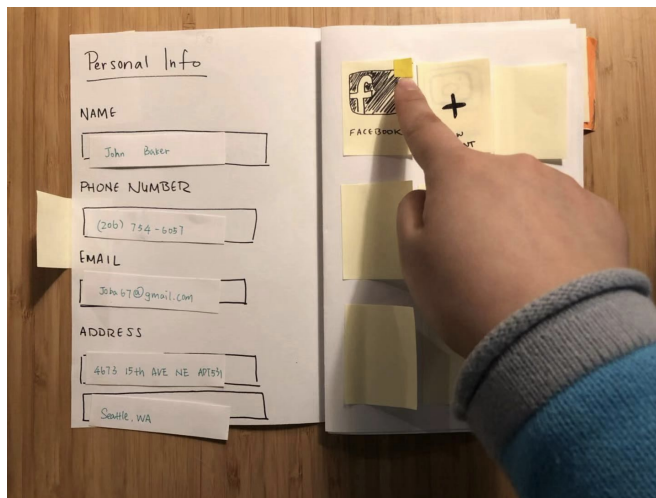
Finally, John's account information about Facebook is stored. The icon of Facebook is now shown(generated) on the index page.



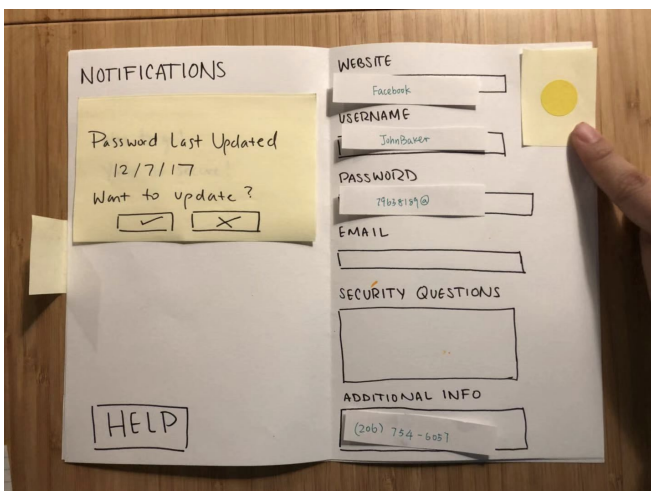
## Updating and Generating Passwords for Accounts



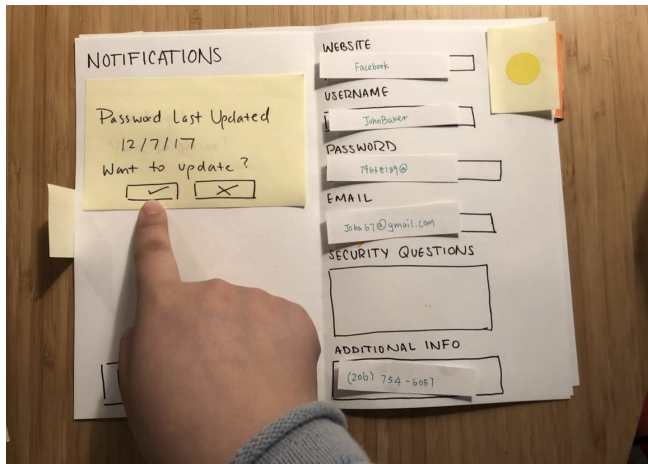
John notices that the light on his notE is yellow now, which means that one of his passwords of accounts should be updated.



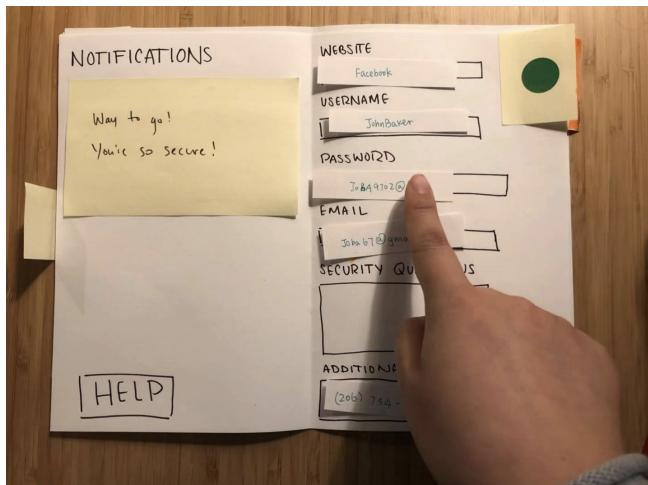
John opens to the index page and he finds that the yellow light is shown on the icon of Facebook. Then he knows that he should update the password for his Facebook account.



John flips to the page of Facebook, and the yellow light at the upper left corner notifies that he should update his password for his Facebook account.

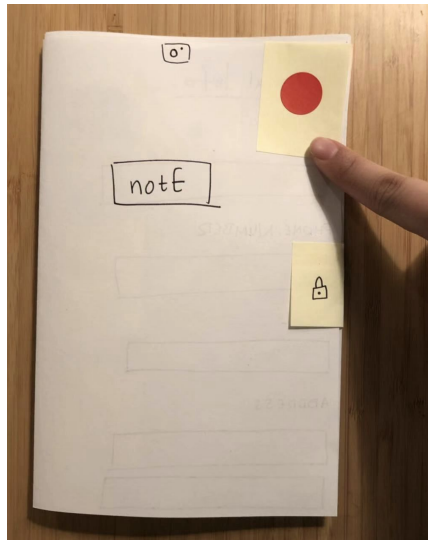


John reads his notifications at the Facebook notification center, and he knows the last time he updated his password was 12/7/17, so notE asks him if he wants to update his password. He presses the checkmark to update his Facebook password.

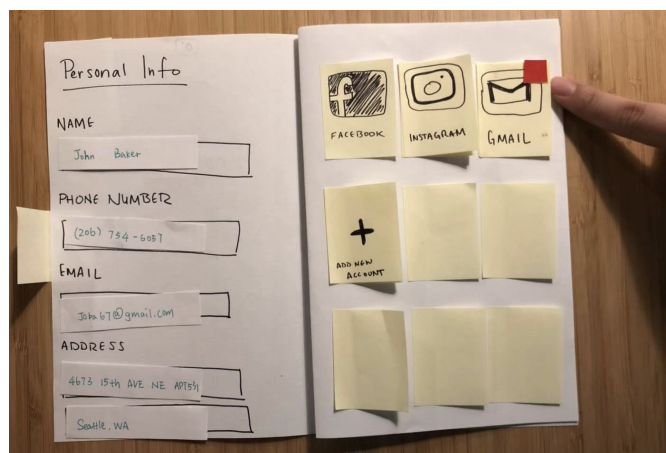


Now, John's password has been changed. The green light at the upper right corner and the message shown in the notification center mean that his account is secure now.

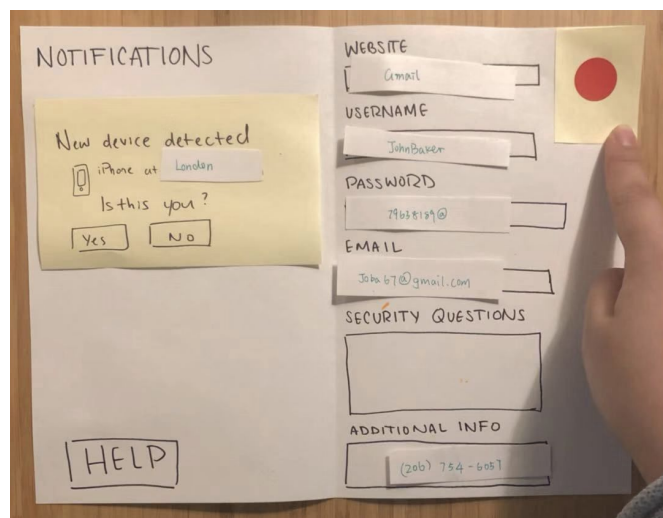
## Task 2: Guiding Customers after Their Account Has Been Compromised



John finds that the light on his notE is now red, which means that at least one of his accounts has encountered some problems.

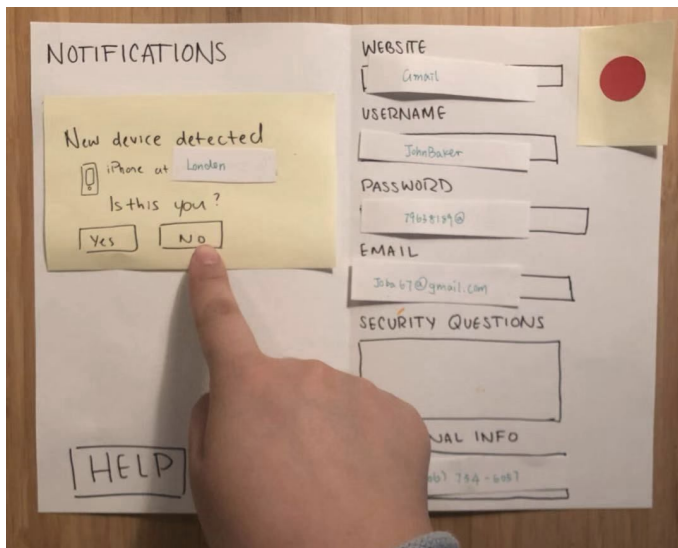


John opens to the index page and he finds that there is a problem with his Gmail account.

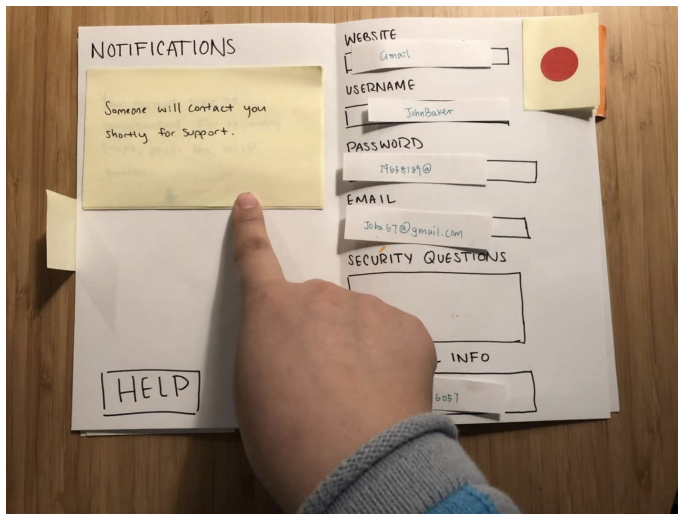


He flips to the page of Gmail. The red light there means that there are some problems with this account.

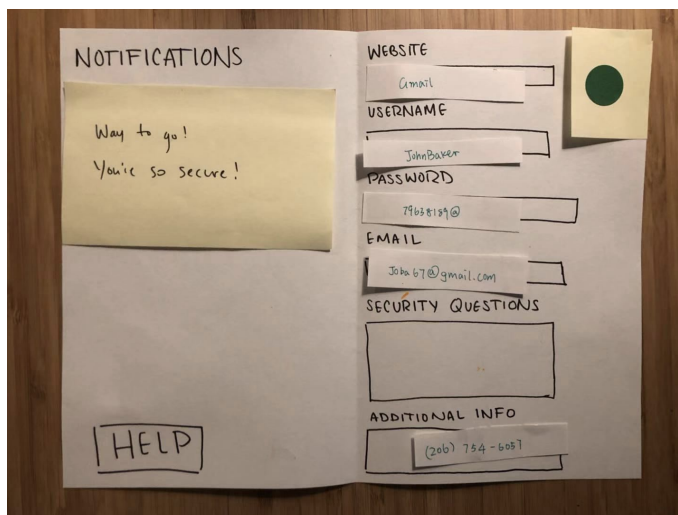




The message in the notification center shows that a new device logs in London. John knows that this is not him, so he presses no on the message.



Then, the message shows that there will be someone to contact him later.



Finally, he gets a call from the service assistant from Gmail. With the assistance, he recovers his account. Now, the green light on his Gmail page and the message in his notification center in notE means that his account is secure now.